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(21)Application number : 03-156813 (71)Applicant : NIPPON OIL & FATS CO LTD

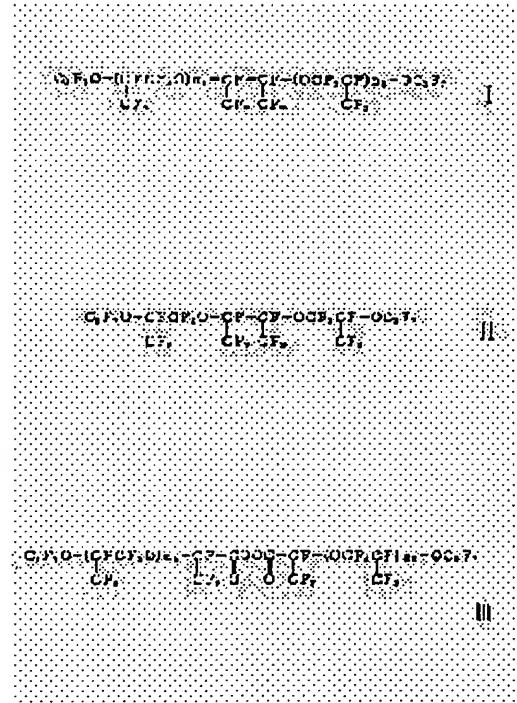
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(54) PERFLUOROPOLYETHER DERIVATIVE

(57)Abstract:

PURPOSE: To obtain a new compound, useful as a lubricant for semiconductor process devices, spaceships, artificial satellites, magnetic media, atomic energy, etc., and a raw material for cosmetics and excellent in solvent, oxidation, chemical and heat resistances, nontoxicity, electrical insulating properties, etc.

CONSTITUTION: A compound expressed by formula I [m₁ and m₂ are 0-8, provided that (m₁+m₂) is ≥1], e.g. a compound expressed by formula II. The aforementioned compound expressed by formula I is obtained by carrying out thermal decomposing reaction of a dipolyfluoroalkanoyl peroxide expressed by formula III (preferably diperfluoro-2,5-dimethyl-3,6-dioxanonanoyl peroxide, diperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoyl peroxide, diperfluoro-2,5,8,11-tetramethyl-3,6,9,12-tetraoxapentadecanoyl peroxide, etc.) at 0-100°C, etc.



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*** NOTICES ***

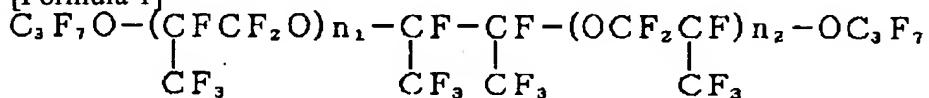
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CLAIMS

[Claim(s)]

[Claim 1] The perfluoropolyether derivative expressed with the following general formula-ization 1.

[Formula 1]

(式中 n_1 及び n_2 は、0～8の整数を示す。但し、

$n_1 + n_2 \geq 1$ である)